

# VINAYAK PATIL

[LinkedIn](#) | +91 8275449194 |

## Experience

vinayak01patil@gmail.com

### System Analyst (Java Developer)

### NATIONAL STOCK EXCHANGE

Mumbai, India

11/2021-Current

- Have 3+ **years** of experience in Java Development and Enhancement of Web Application using **Java, Spring Boot Framework, MicroServices, Hibernate, Oracle, Mysql, React.Js, Redux**.
- Currently working as **Java Software developer** in **NATIONAL STOCK EXCHANGE** with extensive experience in **Java/J2EE programming language as well as React.Js**.
- Utilizing analytical skills to identify test and debug program faults and complete development requests.
- Effectively work well under pressure while ensuring routinely the project deadlines are meet.

## Education

### Savitribai Phule Pune University ,Pune

2019

B.Tech: Bachelor of Engineering in  
Computer Science  
Percentage: 60%

### Parashar High School ,New Pargaon, Kolhapur

2014

HSC, Maharashtra State Board,  
Percentage:63.80%

### Balwanrao Yadav High School,Peth Vadgaon, Kolhapur

2012

SSC: Maharashtra State Board  
Percentage:83.20%

## Key Projects

### Debt Index Computation Engine(Nov'21-Present)

- Automated the computation of 300+ fixed-income indices, including government securities and corporate indices (e.g., CP, CD, A-rated indices).
- Automated the review process of around 100+ fixed-income indices, including government securities and corporate indices.
- **Developed and automated index constituent reports**, published daily on the NSE website, showcasing the overall performance of market indices, including key metrics and insights into daily trends.
- Here, the Front-end framework is **React JS, Redux** and the back-end was **Java, Spring Boot, Microservices, Hibernate and ORACLE Database** which dealt with complex logic like computation of debt market indices and Automated the review process of the indices. Also used **web service framework Restful API in JSON**.

### Environmental, Social, and Governance (ESG) Score Calculation System(Oct'22-Present)

- Strongly associated with the lead to design the database and architecture for **ESG score calculation engine**.
- Developed the **Data Module** in the application which typically gets Raw data extracted through AI and applies complex logic's to get the filtered data to compute ESG scores.
- Implemented the back-end of the project using **Java, Spring Boot, Microservices, Hibernate and ORACLE Database** as well as used web service framework **Restful API in JSON and XML**.
- Participated in requirement gathering, analysis, design, and documentation of the application.
- Developed the front end using **React.js** and **Redux** for efficient state management.

## Skills

---

- Programming Languages: **Java/J2EE**.
- Tools & Frameworks: **Core Java, OOPS, Spring Boot, Spring, Microservices, Struts, Postman** , Multithreading, **Collection, Hibernate**, RESTful API, **SOAP, JAVA 8, XML, JSON, Kafka, REST API, Restful API, GIT, Data Structure and Algorithm, System Design, JavaScript, React, JS, Redux**.
- Database: Postgresql, **Oracle SQL Developer, mysql**.
- Other Languages: JavaScript